

## DECLARATION

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and joint inventors of the subject matter claimed and for which a patent is sought on the invention entitled "MULTI-PHASE VOLTAGE CONTROLLED OSCILLATOR (VCO) WITH COMMON MODE CONTROL" in the foregoing specification and claims, which claims the benefit of U.S. Provisional Application No. 60/282,672, filed April 9, 2001.

We have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

We acknowledge our duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56(a).

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

Date \_\_\_\_\_

11/02/2001

P.O. Address : 1094 Tanland Drive, #105  
Palo Alto, California 94303

Geographical location		Population		Sample size		Study design		Outcome	
Country	Region	Year	Age group	N	n	Design	Intervention	Control	Effect size
USA	California	1990	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Florida	1991	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Illinois	1992	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Michigan	1993	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Minnesota	1994	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Ohio	1995	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	South Carolina	1996	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Texas	1997	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Virginia	1998	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Washington	1999	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Wisconsin	2000	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Illinois	2001	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Michigan	2002	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Minnesota	2003	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Ohio	2004	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	South Carolina	2005	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Texas	2006	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Virginia	2007	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Washington	2008	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Wisconsin	2009	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Illinois	2010	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Michigan	2011	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Minnesota	2012	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Ohio	2013	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	South Carolina	2014	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Texas	2015	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Virginia	2016	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Washington	2017	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Wisconsin	2018	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Illinois	2019	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Michigan	2020	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Minnesota	2021	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Ohio	2022	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	South Carolina	2023	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Texas	2024	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Virginia	2025	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Washington	2026	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Wisconsin	2027	18-24	1000	500	Randomized	100% condom use	50% condom use	0.50
USA	Illinois	2028	18-24	1000	50				

Date 11/2/01

State of California

~~Korea~~<sup>hs.</sup> Taiwan

P.O. Address : 825 E. Evelyn Avenue, #407  
Sunnyvale, CA 94086

Q:\Clients\Silicon Image (37179)\8005 (Multi-Phase VCO with Common Mode Control)\Declaration.doc

Date \_\_\_\_\_

11/2/01

P.O. Address : 19400 Sorenson Avenue, #120  
Cupertino, CA 95014

[illegible]

  
\_\_\_\_\_  
Gyudong Kim

Date Nov-2-2001

Residence : City of San Jose  
State of California

Citizenship : Korea

P.O. Address : 1012 S. De Anza Blvd., C204  
San Jose, CA 95129

09090909 11001

Date \_\_\_\_\_

Nov/15/01

P.O. Address : 3285 Touriga Drive  
Pleasanton, CA 94566

Figure 1 shows the results of the regression analysis. The dependent variable is the number of days of absence from work due to illness. The independent variables are the age, sex, and duration of employment. The results show that the number of days of absence from work due to illness increases with age, sex, and duration of employment. The coefficient of age is 0.001, the coefficient of sex is 0.001, and the coefficient of duration of employment is 0.001. The adjusted R-squared value is 0.001.

EXPRESS MAIL NO EL669108547US

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PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Kim et al.  
Filed : Concurrently Herewith  
For : MULTI-PHASE VOLTAGE CONTROLLED OSCILLATOR  
(VCO) WITH COMMON MODE CONTROL

Docket No. : 371798005US

Commissioner for Patents  
Washington, DC 20231

ELECTION UNDER 37 C.F.R. §§ 3.71 AND 3.73AND POWER OF ATTORNEY

Sir:

The undersigned, being Assignee of the entire interest in the above-identified application by virtue of an Assignment filed concurrently herewith, a copy of which is enclosed, hereby elects under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventors.

Assignee hereby appoints JERRY A. RIEDINGER, Registration No. 30,582; MAURICE J. PIRIO, Registration No. 33,273; MICHAEL D. BROADDUS, Registration No. 41,637; CATHERINE HONG TRAN, Registration No. 43,960; ROBERT G. WOOLSTON, Registration No. 37,263; PAUL T. PARKER, Registration No. 38,264; JOHN M. WECHKIN, Registration No. 42,216; CHRISTOPHER DALEY-WATSON, Registration No. 34,807; STEVEN D. LAWRENZ, Registration No. 37,376; JAMES A.D. WHITE, Registration No. 43,985; EDWARD S. HOTCHKISS, Registration No. 33,904; JAMES NICKELSON, Registration No. 46,140; STEPHEN E. ARNETT, Registration No. 47,392; MARK A. THOMAS, Registration No. 37,953; BRETON A. BOCCHIERI, Registration No. 31,739; BARBARA B. COURTNEY, Registration No. 42,442; PETER J. DEHLINGER, Registration No. 28,006, LEE ANN GORTHEY,

Registration No. 37,337; RICHARD L. GREGORY, Registration No.42,607; LINDA R. JUDGE, Registration No. 42,702; MICHAEL MARTENSEN, Registration No. 46,901; JUDY M. MOIR, Registration No. 38,563;and LARRY THROWER, Registration No. 47,994, all of Perkins Coie LLP, Assignee hereby appoints ROBERT G. WOOLSTON of Perkins Coie LLP, as the principal attorney with full power of substitution, association, and revocation to prosecute said application, to transact all business in the Patent and Trademark Office connected therewith, and to receive the letters patent therefor. Please direct all correspondence to Customer Number 25096.

Bar Code:



25096

PATENT TRADEMARK OFFICE

Pursuant to 37 C.F.R. § 3.73, the undersigned duly authorized designee of Assignee certifies that the evidentiary documents have been reviewed, specifically the Assignment to Silicon Image filed concurrently herewith for recording, a copy of which is attached hereto, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

Silicon Image

Date

11-15-01

Badar Baqai

Executive Vice President, Engineering

CJD:lmh

Enclosure:

Copy of Assignment



## ASSIGNMENT

WHEREAS, we, Ook Kim, Hung Sung Li, Inyeol Lee, Gyudong Kim, and Yongman Lee ("ASSIGNORS"), having post office addresses of 1094 Tanland Drive, #105, Palo Alto, CA 94303; 825 E. Evelyn Avenue, #407, Sunnyvale, CA 94086; 19400 Sorenson Avenue, #120, Cupertino, CA 95014; 1012 S. De Anza Blvd., C204, San Jose, CA 95129 and 3285 Touriga Drive, Pleasanton, CA 94566, respectively, are the joint inventors of an invention entitled "MULTI-PHASE VOLTAGE CONTROLLED OSCILLATOR (VCO) WITH COMMON MODE CONTROL," as described and claimed in the specification forming part of an application for United States letters patent executed herewith. This application claims the benefit of U.S. Provisional Application No. 60/282,672 filed April 9, 2001;

WHEREAS, Silicon Image ("ASSIGNEE"), a corporation of the State of Delaware having a place of business at 1060 E. Arques Avenue, Sunnyvale, California 94085, is desirous of acquiring the entire right, title, and interest in and to the invention and in and to any patents that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto ASSIGNEE, its legal representatives, successors, and assigns, the entire right, title and interest in and to the invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, or extensions thereof, any other inventions described in the application, and any and all patents of the United States of America and all foreign countries that may be issued for the invention, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from the United States application to which foreign applications are entitled by virtue of international convention, treaty or otherwise, the invention, application and all patents on

the invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made.

UPON THE ABOVE-STATED CONSIDERATIONS, ASSIGNORS agree to not execute any writing or do any act whatsoever conflicting with this assignment, and at any time upon request, without further or additional consideration but at the expense of ASSIGNEE, execute all instruments and documents and do such additional acts as ASSIGNEE may deem necessary or desirable to perfect ASSIGNEE's enjoyment of this grant, and render all necessary assistance required for the making and prosecution of applications for United States and foreign patents on the invention, for litigation regarding the patents, or for the purpose of protecting title to the invention or patents therefor.

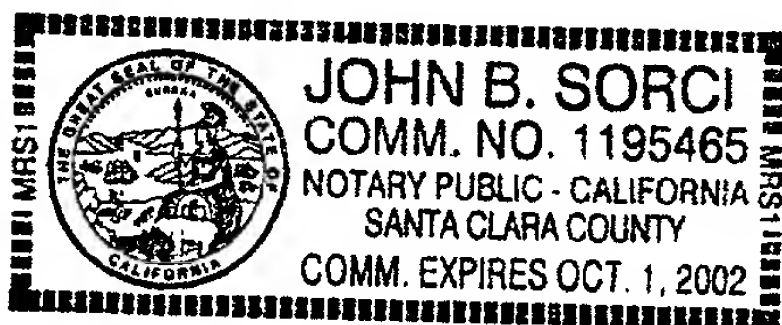
ASSIGNORS authorize and request the Commissioner of Patents and Trademarks to issue any Patent of the United States that may be issued for the invention to ASSIGNEE.

11/02/2001  
Date  
Ook Kim

State of California  
County of Santa Clara )  
SS.

I certify that I know or have satisfactory evidence that Ook Kim is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 2 NOV 2001  
Signature of Notary Public John B Sorci  
Printed Name JOHN B. SORCI  
My appointment expires 1 OCT 2002

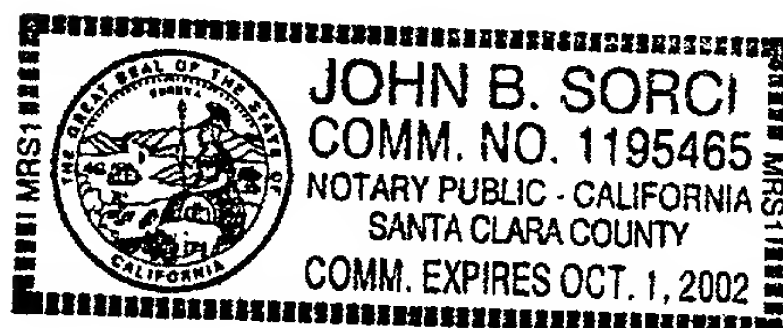




11/7/01  
Date Inyeol Lee  
State of California )  
County of Santa Clara ) SS.

I certify that I know or have satisfactory evidence that Inyeol Lee is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 2 NOV 2001  
Signature of Notary Public John B. Sorci  
Printed Name JOHN B. SORCI  
My appointment expires 1 OCT 2002

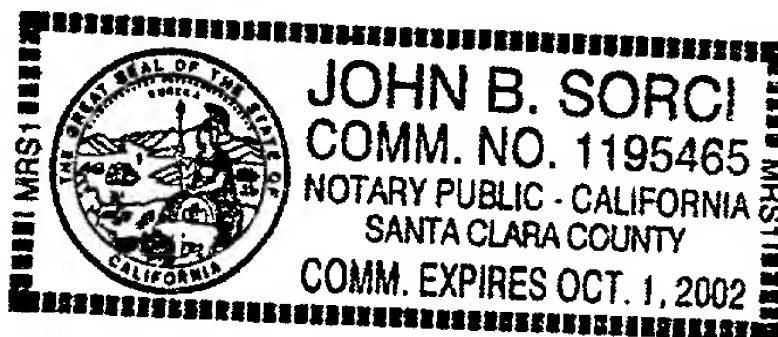


Nov-2-2001  
Date Gyudong Kim *Gyudong Kim*

State of California)  
County of Santa Clara) SS.

I certify that I know or have satisfactory evidence that Gyudong Kim is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 2 NOV 2001  
Signature of Notary Public *John B. Sorci*  
Printed Name JOHN B. SORCI  
My appointment expires 1 OCT 2002



Nov/15/01  
Date  
Yongman Lee  
Yongman Lee  
State of California  
County of Santa Clara )  
SS.

I certify that I know or have satisfactory evidence that Yongman Lee is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 15 Nov - 2001  
Signature of Notary Public John B. Sorci  
Printed Name JOHN B SORCI  
My appointment expires 1 OCT 2002

